

Additional Views of Rep. John Larson (D-CT) to the Select Committee on Energy Independence and Global Warming Final Staff Report

Representative John Larson has enjoyed hearing the views of his fellow committee members on issues of carbon pricing legislation. However, he feels that carbon tax legislation is the most transparent and effective tool to reduce carbon dioxide and other greenhouse gas emissions and increase U.S. energy security. Rep. Larson has introduced H.R. 3416: America's Energy Security Trust Fund Act, which is detailed below.

H.R. 3416: America's Energy Security Trust Fund Act

In 2005, the United States emitted over 6 billion metric tons of carbon dioxide (CO₂), an increase of 25 million tons over the previous year. The scientific community agrees that CO₂ and other greenhouse gas emissions from human activities are influencing changes in the earth's climate. Global warming is already having an impact, and future changes in the climate will have significant economic and environmental implications for coastal communities, public health, agricultural productivity, ecosystems and life as we know it.

One way to ensure that dangerous greenhouse gas emissions are reduced – a necessary priority for the next Congress – is through a carbon tax system. Such a system has been promoted by everyone from former Vice President Al Gore to N. Gregory Mankiw, former Chairman of President Bush's Council of Economic Advisers. **H.R. 3416, America's Energy Security Trust Fund Act**, is a carbon tax bill sponsored by Representative John B. Larson, a member of the Select Committee on Energy Independence and Global Warming. The bill is also cosponsored by twelve members of the House of Representatives, including one other member of the Select Committee.

Currently, polluters have no incentive to change their behavior and stop contributing to global warming—the America's Energy Security Trust Fund Act gives them one. Those who reduce polluting behaviors by cutting back on activities that lead to greenhouse gas emissions could actually come out ahead by receiving a bigger payroll tax rebate than they contribute to the fund: they would be rewarded for changing their behavior.

The America's Energy Security Trust Fund Act would reduce taxes on workers, set a price for CO₂ emissions, and create an incentive to use alternative energy. Specifically, the bill would:

- **Provide Tax Credits for Research and Development of Alternative Energy Technologies** like wind, hydrogen, fuel cells, solar and other zero emissions technologies. The first \$10 billion or 1/6 of revenue in the trust fund, whichever is less, would be spent each year to finance tax credits for research and development in alternative energy.
- **Provide Transition Assistance for Affected Industries:** 1/12 of the fund's revenues would be dedicated to assistance for employees of industries negatively affected by

the resulting shift to clean energy technologies. This would be phased out over 10 years.

- **Reduce the burden of payroll taxes on working households.** The remaining funds would be divided equally among all individuals subject to the payroll tax to provide a payroll tax rebate. Seniors and individuals with disabilities, defined based on eligibility for Social Security, would receive the same amount. Because \$727 billion of payroll taxes were collected in 2005, a tax at a rate of \$15 per ton of CO₂ could lower payroll tax burdens by over 10 percent on average.

For nearly three quarters of all households, payroll taxes are the single largest tax to the federal government. Because the payroll tax is a flat-rate tax up to a payroll limit of \$97,500, it is generally acknowledged to be a regressive tax. Currently, those in the top 1 percent of the income scale pay only 2 percent of their income in payroll taxes, while those in the bottom 20 percent contribute 7.3 percent of income in payroll taxes. Revenues from a carbon tax could be used to reduce the tax burden on working households, and could have a profound effect on those households with earnings below the median income level. This rebate would benefit workers in the lower-end of the income scale the most.

How would the America's Energy Security Trust Fund Act work?

This bill would impose a per-unit tax on the carbon dioxide content of fossil fuels beginning at a rate of \$15 per metric ton of CO₂ and increasing by 10 percent each year, also accounting for inflation. The rate is consistent with the broadly accepted goal of reducing greenhouse gas emissions to 80 percent below 1990 levels by 2050. The tax would be phased in over a ten year period to allow industries to adapt. It should be emphasized, however, that the technology for clean energy already exists and therefore the rate of tax is aggressive.

The tax would be assessed on the CO₂ content of these fuels when they enter the economy: at oil refineries, coal processing plants and points of import. Therefore it would be easy to implement and administer—only about 2,000 entities would be taxed.

Demand for fossil fuels would fall in response to a carbon tax. As a result, carbon emissions would fall as well, by an estimated 700 million metric tons of CO₂ (12.1 percent). At the same time, demand for alternative sources of energy would increase, spurring innovation and competition, and would allow producers of alternative energy technologies to achieve economies of scale, which will eventually lower prices of that technology.

According to “A Green Employment Tax Swap: Using a Carbon Tax to Finance Payroll Tax Relief,” a report by Gilbert E. Metcalf for the Brookings Institution and World Resources Institute, a tax of \$15 per metric ton of CO₂ would nearly double the price of coal, assuming the industry fully passes the tax onto the consumer. Petroleum products would increase in price by nearly 13 percent and natural gas by almost 7 percent. This translates to approximately 13 cents per gallon of gasoline—a price increase of less than 7 percent.

What about good actors?

Carbon Capture and Storage (CCS) is an approach to mitigating climate change by capturing CO₂ from large point sources such as power plants and subsequently storing it away safely instead of releasing it into the atmosphere. We know how to capture and store CO₂. The AESTF Act will contribute to the development of CCS at the national level and encourage other technologies to reduce greenhouse gas emissions.

Because we want to encourage zero-emissions technologies, the bill would provide a refundable credit on all taxes paid for an entity that uses carbon capture and storage technology.

What about other Greenhouse Gases?

The bill requires the Secretary of the Treasury in consultation with the Secretary of Energy to design and implement a tax on other greenhouse gases like methane, nitrous oxide and other gases known to cause global warming. The goal is to ensure that for any entity taxed, a viable alternative to emitting these gases must exist in order to ensure that the tax will change polluting behaviors without simply being punitive. One benefit of including other greenhouse gases in the AESTF Act is that it can reduce the cost of reducing greenhouse gases. A recent study by researchers at MIT shows that early reductions in greenhouse gas emissions can be more inexpensively achieved if these other gases are included in the tax base.

How much money could it raise?

Emissions of carbon dioxide in 2005 were estimated to be just over 6 billion metric tons of CO₂ according to the Environmental Protection Agency (EPA). Had a carbon tax of \$15 per ton of CO₂ been in place in 2005, the tax would have raised \$89.2 billion.

What about other countries?

The United States is certainly not the only nation contributing to global warming. However, with only 5 percent of the world's population, in 2005 the U.S. was responsible for 22 percent of the CO₂ emitted worldwide from burning fossil fuels. This bill recognizes that the United States must lead the way but that the other major emitting countries must follow.

Additional Views of Rep. Stephanie Herseth Sandlin (D-SD at-large) to the Select Committee on Energy Independence and Global Warming Final Staff Report

Over the course of the 110th Congress, the Select Committee on Energy Independence and Global Warming has made significant and valuable contributions to the public debate and to Congress' efforts to develop responsible, forward-looking public policy regarding critical energy and climate change issues facing our nation. I have been very pleased and proud to serve with the distinguished members of this Select Committee, under the able leadership of Chairman Edward Markey. The Committee closely and diligently examined a wide range of difficult issues from numerous angles, with input from hundreds of experts, including more than 50 hearings.

I am confident that the Committee's efforts will guide future Congresses' work in ensuring that we meet the real and serious twin challenges of achieving energy independence and halting global warming. What's at stake is nothing less than our national security, our economic security, and our way of life in every corner of the country.

As the only member of the Committee who also serves on the Agriculture Committee, and the only one who represents a predominantly rural state, I have taken seriously my responsibility to ensure that issues affecting rural America and agriculture are addressed throughout this process. The good news is that as we seek to address these changes, rural America stands uniquely ready to play a vital role in the new energy economy.

If you look at my state of South Dakota from end-to-end, whether it is our vast fields of corn and soybeans in the eastern part of the state, the abundant wind resources across the state, or the great forests of the Black Hills in the West, South Dakota embodies the idea that we need a diversified approach to our national energy policy—and in particular we need to take advantage of new opportunities for renewable energy.

As we strive to meet our national energy needs, we must continue to recognize that rural America has much to offer. Rural states should be at the center of the solution as our national energy policy shifts and adjusts in ways that enhance our national and economic security; that promote both innovation and conservation; and that ultimately will ease the strain on families' and business owners' budgets.

With the passage of the original Renewable Fuel Standard in 2005 and the aggressive increase included in the 2007 energy bill, we have already taken initial key steps in the right direction, as we seek to take advantage of the contribution agricultural producers in rural states can make to reduce our dependence on foreign oil and overall carbon emissions through an increase in the production of biofuels, wind, and other types of renewable energy. But to be sure, there is more work to be done.

I agree with the scientific consensus that human activity has substantially increased the accumulation of greenhouse gasses and is contributing to a rise in average global temperature. This rise threatens to create a number of dramatic and negative impacts—raising sea levels, altering coastlines, increased risk of drought and forest fire, and changing weather patterns.

With much of the country's economy dependent on agriculture, which in turn depends on our climate, I recognize that global warming could have a profound effect on rural agricultural economies and our way of life.

Though there is no single solution to reducing the accumulation of greenhouse gases, I do see a number of positive steps we can take in the short-term to reduce global warming. I believe the federal government must be aggressive in its efforts to reduce greenhouse gas emissions. But, more than just creating penalties that reduce emissions, it is important to invest in new technologies, create incentives to increase efficiencies, and encourage greater reliance on a range of domestic energy sources with lower emission impacts—sources including increased domestic production of oil and gas, clean coal, oil shale, wind, solar, biofuels and more.

Many of the legislative proposals that have been introduced in the House fail to take the kind of comprehensive approach I support, and instead rely on mandatory reductions. My preference is to support a bill that also includes incentives to increase the use of renewable energies and rewards individual conservation practices.

Ultimately, we need a balanced legislative approach to these issues. I believe we can address the harmful consequences of climate change, while preventing the negative economic impacts some proposals could cause based on our nation's current reliance on electricity produced by coal, a significant source of carbon dioxide. A large part of the world's coal reserves are found in the U.S. and I believe we should devote the needed research and development resources to clean coal technologies, including promising carbon capture and sequestration projects.

Moreover, I believe the people and resources of rural America can play an important role in addressing climate change. Agricultural lands and forests naturally sequester carbon, and therefore can be managed to help reduce harmful amounts of carbon in the atmosphere. For example, current estimates of U.S. greenhouse gas markets indicate that U.S. farms have the potential to mitigate as much as 40 percent of our nation's total climate impact with practices such as soil carbon sequestration or methane capture. We also must do more to facilitate and encourage the use of the woody biomass that is already taken from public lands as part of responsible forest management plan as a source of cellulosic ethanol with significant potential.

Unfortunately, many recent proposals addressing climate change have been developed without fully engaging with agricultural experts. To address this oversight, I have been proactive in bringing representatives of the agricultural sector together to examine how best to craft a carbon sequestration offset program to maximize agriculture's participation, to look at the potential impact of a mandatory program on agricultural inputs, and to evaluate the potential benefits of a cap-and-trade system to agriculture. I have also engaged with my House colleagues to make sure they understand the role that our agricultural producers and forests can play as part of the solution to climate change.

In conclusion, I believe strongly that climate change and energy independence present both serious challenges and significant opportunities for rural America. I am grateful for this opportunity to provide additional views about the path forward. While these views do not

address or encompass every component of the full report, they do identify the key principles I continue to embrace as we look to craft effective public policy that recognizes the extremely diverse set of interests involved. I agree with much of what is expressed in the report, but have concerns with some of its provisions, and I look forward to continuing to work on these difficult, but essential, challenges in the future.

Appendix A

HEARINGS AND BRIEFINGS OF THE SELECT COMMITTEE ON ENERGY INDEPENDENCE AND GLOBAL WARMING

April 18, 2007

Geopolitical Implications of Rising Oil Dependence and Global Warming

Witness List:

- Ambassador Richard Haass, President, Council on Foreign Relations
- Vice Admiral Dennis McGinn, USN (Ret.), USN (Ret.), Vice President for Strategic Planning and Business Development
- Carl Pope, Executive Director, Sierra Club
- General Gordon R. Sullivan, USA (Ret.), USA (Ret.), President and Chief Operating Officer, Association of the United States Army
- James Woolsey, Vice President, Booz Allen Hamilton

April 26, 2007

Dangerous Global Warming

Witness List:

- Dr. James Hansen, Director, NASA Goddard Institute for Space Studies
- Dr. Judith Curry, Chair, School of Earth and Atmospheric Sciences, Georgia Institute of Technology
- Dr. Kristie Ebi, ESS, LLC and Lead author Human Health chapter, IPCC 4th Assessment, Working Group II
- Dr. Camille Parmesan, Assistant Professor, University of Texas
- Dr. John Helms, Professor Emeritus, University of California, Berkeley and Past President, Society of American Foresters

May 3, 2007

Economic Impacts of Global Warming: Part 1-Insurance

Witness List:

- John B. Stephenson, Director of Natural Resources and Environment, GAO,
- Mike Kreidler, Washington State Insurance Commissioner
- Frank Nutter, President, Reinsurance Association of America

May 9, 2007

Economics of Dependence on Foreign Oil – Rising Gasoline Prices

Witness List:

- Sylvia Estes, Pipeline and Industrial Group, Virginia Beach, VA
- Michael Mitternacht, Factory Service Agency, Metairie, LA
- Terry Thomas, President and CEO, Community Bus Services Inc., Youngstown, OH
- Donn Teske, Farmer and President, Kansas Farmers Union, McPherson, KS
- John Felmy, Chief Economist, American Petroleum Institute

May 15, 2007

Perspectives on Energy and Climate Change: Prime Minister Fredrik Reinfeldt of Sweden

Witness List:

- Prime Minister Frederik Reinfeldt of Sweden

May 22, 2007

Economic Impacts of Global Warming: Green-Collar Jobs

Witness List:

- Jerome Ringo, President, Apollo Alliance
- Van Jones, President and Co-Founder, Ella Baker Center
- Elsa Barboza, Campaign Coordinator for Green Industries at the Strategic Concepts in Organizing and Policy Education (SCOPE)
- Bob Thelen, Chief Training Officer, Capital Area Michigan Works!

June 4, 2007

Global Warming Mountaintop 'Summit': Economic Impacts on New England.

Field Hearing on Cannon Mountain near Franconia, New Hampshire

Witness List:

- Timothy Perkins, Ph.D., Director, Proctor Maple Research Center, University of Vermont;
- Cameron Wake, Ph.D., Climate Change Research Center, University of New Hampshire;
- Alice Chamberlin, Special Assistant for Energy, Environment and Transportation, Governor John Lynch;
- Betsy Blaisdell, Manager, Environmental Stewardship Program, Timberland;
- Bill Koury, Former President, NH Wildlife Federation and avid New England sportsman.

June 8, 2007

Massachusetts v. U.S. EPA: Implications of the Supreme Court Verdict

Witness List:

Panel I

- The Honorable Stephen L. Johnson, Administrator, Environmental Protection Agency
- The Honorable Nicole Nason, Administrator, National Highway Traffic Safety Administration

Panel II

- The Honorable Jerry Brown, Attorney General of California
- The Honorable Martha Coakley, Attorney General of Massachusetts

June 19, 2007

Green Cities: Mayoral Initiatives to Reduce Global Warming Pollution

Witness List:

- The Honorable Richard Daley, Mayor of Chicago
- The Honorable Tom Potter, Mayor of Portland, OR
- The Honorable Pegeen Hanrahan, Mayor of Gainesville, FL

July 12, 2007

Plugging into Energy Independence with 150 MPG Vehicles

Witness List:

- Frank Gaffney, President, Center for Security Policy
Rob Lowe, Actor and Advocate
- David Vieau, President and CEO, A123 Systems
- Fred Hoover, Washington representative for Austin Energy

July 18, 2007

Voluntary Carbon Offsets—Getting What You Pay For

Witness List:

- Derik Broekhoff, Senior Associate, World Resources Institute
- Joseph Romm, Senior Fellow, Center for American Progress
- Thomas Boucher, President and Chief Executive Officer, NativeEnergy LLC
- Russ George, President and Chief Executive Officer, Planktos, Inc.
- Erik Blachford, CEO, TerraPass Inc.

September 6, 2007

The Future of Coal under Carbon Cap and Trade

Witness List:

- David Freudenthal, Governor, Wyoming
- Michael Morris, CEO, American Electric Power
- Carl Bauer, Director, National Energy Tech. Laboratory
- Stuart Dalton, Director, Generation, Electric Power Research Institute
- Robert Sussman, Partner, Latham & Watkins, LLP
- David Hawkins, Director, Climate Center, National Resources Defense Council

September 20, 2007

Renewable Electricity Standards: Lighting the Way

Witness List:

Panel I

- The Honorable Bill Ritter, Governor of Colorado

Panel II

- Nancy Floyd, Nth Power, Founder and Managing Director
- Chris Hobson, Southern Company, Senior Vice President, Research and Environmental Affairs
- Bob Reedy, Florida Solar Research Center
- Mike Sloan, Wind Coalition, Director
- Dave Foster, Blue Green Coalition, United Steelworkers, Executive Director

September 25, 2007

Briefing: The Melting Arctic: Global Warming's Impacts on the Polar Region

Witness List:

- Stanley Tocktoo, Mayor, Shishmaref, Alaska
- Dr. Robert W. Corell, Program Director, The Heinz Center
- Dr. Sue Haseltine, Associate Director for Biology, USGS
- Dr. Glenn Juday, Professor of Forest Ecology, University of Alaska Fairbanks
- Deborah Williams, Alaska Conservation Solutions

September 26, 2007

Forging a Global Solution for Global Warming: International Perspectives

Witness List:

- The Honorable Gro Harlem Brundtland, UN Special Envoy on Climate Change, former Prime Minister of Norway and former chair of the World Commission of Environment and Development
- The Honorable Ricardo Lagos, UN Special Envoy on Climate Change, former Chilean President
- The Honorable Han Seung-soo, UN Special Envoy on Climate Change, former Minister of Foreign Affairs of the Republic of Korea and former President of the UN General Assembly
- The Honorable Sigmar Gabriel, Federal Minister for the Environment, Nature Conservation and Nuclear Safety, Germany

October 10, 2007

The Business Opportunity in a Low-Carbon Energy Economy

Witness List:

- Alan Grisay, CEO, F&C Investments, member of the UK and EU Corporate Leaders' Groups on Climate Change
- Neil Carson, CEO Johnson Matthey plc, member of the UK Corporate Leaders' Group
- Ralph Izzo, Chairman, President and CEO, Public Service Enterprise Groupe Incorporated (PSEG), member of the Clean Energy Group and its Clean Air Policy Initiative
- Johnathan Lash, President, World Resources Institute, member U.S. Climate Action Partnership

October 18, 2007

Energy and Global Warming Solutions for Vulnerable Communities

Witness List:

- Mr. Martin Luther King III, C.E.O, Realizing the Dream, Inc.
- Mr. Mike Williams, Board Member, National Tribal Environmental Council
- Mr. Amjad Abdulla, Assistant Director General, Ministry of Environment, Energy and Water, Government of the Republic of Maldives
- Dr. Eileen Gauna, Professor, University of New Mexico

October 24, 2007

The Gas is Greener: The Future of Biofuels

Witness List:

- Adam Gardner, Guster and Reverb
- Don Endres, CEO, Vera Sun
- Steve Gatto, CEO, Bioenergy LLC
- Nathanael Greene, Natural Resources Defense Council
- Dr. Susan Leschine, University of Massachusetts-Amhers, and founder of SunEthanol

November 1, 2007

A Spark Neglected: Wildfires and Global Warming

Witness List:

- Abigail Kimbell, Chief, U.S. Forest Service
- Dr. Steven Running, Professor of Ecology, University of Montana
- Michael Francis, Director of Forest Program and Deputy Vice President, Wilderness Society
- Dr. Michael Medler, Member of Firefighters United for Safety Ethics and Ecology, Assistant Professor at Huxley College

November 2, 2007

Bright Lights in the Cities: Pathways to an Energy-Efficient Future

Field Hearing in Seattle, Washington

Witness List:

- The Honorable Greg Nickels, Mayor of Seattle
- The Honorable Michael R. Bloomberg, Mayor of New York City
- The Honorable Manny Diaz, Mayor of Miami
- The Honorable Douglas H. Palmer, Mayor of Trenton
- The Honorable Antonio Villaraigosa, Mayor of Los Angeles

November 5, 2007

Youth Leadership for Clean Energy and Healthy Climate

Witness List:

- Billy Parish, Energy Action Coalition
- Brittany R. Cochran, Environmental Justice and Climate Change Initiative
- Cheryl Lockwood, Alaska Youth for Environmental Action
- Katelyn McCormick, Students Promoting Environmental Students
- Mike Reagan, California PIRG

November 7, 2007

Oil Shock: Potential for Crisis

Witness List:

- Carol P. Browner, former Administrator of the Environmental Protection Agency and current Principal of the Albright Group
- Admiral Dennis Blair, USN (Ret.), Former Commander in Chief, U.S. Pacific Command

November 14, 2007

State Leadership Toward A Low-Carbon Energy Future

Witness List:

- The Honorable Eliot Spitzer, Governor, The State of New York
- The Honorable Janet Napolitano, Governor, The State of Arizona

December 19, 2007

Bali – the UN Conference and its Impact on International Climate Change Policy

Witness List:

- Ms. Christiana Figueres, Official Negotiator, U.N. Framework Convention on Climate Change and the Kyoto Protocol, Costa Rica
- Mr. Philip Clapp, Deputy Managing Director, Pew Environment Group
- Mr. Alden Meyer, Director of Strategy and Policy, Union of Concerned Scientists
- Mr. Ned Helme, President, Center for Clean Air Policy
- Mr. Myron Ebell, Director, Energy and Global Warming Policy, Competitive Enterprise Institute

January 17, 2008

On Thin Ice: The Future of the Polar Bear

Witness List:

Panel I

- Mr. Dale Hall, Director, Fish and Wildlife Service
- Mr. Randall Luthi, Director, Minerals Management Service
- Dr. Steven Amstrup, Polar Bear Team Leader, U.S. Geological Survey

Panel II

- Ms. Jamie Rappaport Clark, Executive Vice President, Defenders of Wildlife
- Ms. Deborah Williams, President, Alaska Conservation Solutions
- Ms. Kassie Siegel, Director, Climate, Air and Energy Program, Center for Biological Diversity

January 23, 2008

Cap, Auction, and Trade: Auctions and Revenue Recycling Under Carbon Cap and Trade

Witness List:

- The Honorable Ian Bowles, Secretary of Energy and Environmental Affairs, Commonwealth of Massachusetts
- Peter Zapfel, Coordinator for Carbon Markets and Energy Policy, European Commission – Environment Directorate General
- Dallas Burtraw, Senior Fellow, Resources for the Future
- John Podesta, President and Chief Executive Officer, Center for American Progress
- Robert Greenstein, Executive Director, Center on Budget Policies and Priorities

January 30, 2008

Learning from a Laureate: Science, Security and Sustainability

Witness List:

- Dr. Rajendra Pachauri, Chairman, Intergovernmental Panel on Climate Change

February 14, 2008

Fire and Rain: How Destruction of Tropical Forests is Fueling Climate Change

Witness List:

- Dr. Thomas Lovejoy, President, The Heinz Center
- Mr. Stuart Eizenstat, Partner, Covington & Burling, on behalf of Sustainable Forestry Management
- Ms. Stephanie Meeks, Acting President and CEO, The Nature Conservancy

March 12, 2008

Nuclear Power in a Warming World: Solution or Illusion?

Witness List:

- Amory Lovins, Cofounder, Chairman, and Chief Scientist of the Rocky Mountain Institute
- Sharon Squassoni, Senior Associate in the Nonproliferation Program of the Carnegie Endowment for International Peace
- David Lochbaum, Director of the Nuclear Safety Project for the Union of Concerned Scientists
- Alex Flint, Senior Vice President, Government Affairs, Nuclear Energy Institute

February 26, 2008

Food for Thought: Sustainability from Counter to Compost

Witness List:

- Dan Beard, Chief Administrative Officer (CAO), House of Representatives
- Carina Wong, Executive Director, Chez Panisse Foundation
- Patricia D. Millner, Ph.D, Research Microbiologist in the Sustainable Agricultural Systems Laboratory and Environmental Microbial Systems Laboratory, USDA
- Tom Kelly, Ph.D., Chief Sustainability Officer, University of New Hampshire Office of Sustainability

March 6, 2008

Blowing in the Wind: Renewable Energy as the Answer to an Economy Adrift

Witness List:

- Bianca Jagger, Chair, World Future Council
- Vic Abate, Vice President, Renewable Energy, General Electric
- Tom Buis, President, National Farmers Union
- Barbara Lockwood, Manager, Renewable Energy Arizona Public Service Co.
- Blair Swezey, Senior Director, Solar Markets and Public Policy, Applied Materials
- Bill Unger, Partner Emeritus, Mayfield Fund, representing Environmental Entrepreneurs

March 13, 2008

Massachusetts v U.S. EPA Part II: Implications of the Supreme Court Decision

Witness List:

Panel I

- The Honorable Stephen L. Johnson, Administrator, Environmental Protection Agency

Panel II

- The Honorable Roderick Bremby, Secretary, Kansas Department of Health and Environment
- The Honorable Josh Svaty, Member of the Kansas House of Representatives
- Lisa Heinzerling, Professor of Law, Georgetown University Law Center
- David Bookbinder, Chief Climate Counsel, Sierra Club
- Peter S. Glaser, Partner, Troutman Sanders

April 1, 2008

Drilling for Answers: Oil Company Profits, Runaway Prices and the Pursuit of Alternatives

Witness List:

- Mr. J. Stephen Simon, Senior Vice President, Exxon Mobil Corp.
- Mr. John Hofmeister, President, Shell Oil Company
- Mr. Robert A. Malone, Chairman and President, BP America, Inc.
- Mr. Peter Robertson, Vice Chairman, Chevron
- Mr. John Lowe, Executive Vice President, ConocoPhillips

April 2, 2008

From the Wright Brothers to the Right Solutions: Curbing Soaring Aviation Emissions.

Witness List:

- Dan Elwell, FAA Assistant Administrator for Aviation Policy, Planning, and Environment
- Bob Meyers, Principal Deputy Assistant Administrator for the Office of Air and Radiation, U.S. Environmental Protection Agency
- Tom Windmuller, Senior Vice President, International Air Transport Association
- James May, President and CEO, Air Transport Association
- Deron Lovaas, Natural Resources Defense Council

April 9, 2008

Healthy Planet, Healthy People: Global Warming and Public Health

Witness List:

- Howard Frumkin, M.D., M.P.H., Ph.D., Center for Disease Control, Director of National Center for Environmental Health, Agency for Toxic Substances and Disease Registry
- Jonathan Patz, M.D., M.P.H., Professor and Director of Global Environmental Health, University of Wisconsin at Madison
- Georges Benjamin, M.D., F.A.C.P., F.A.C.E.P. (Emeritus), Executive Director, American Public Health Association
- Mark Jacobson, Ph.D., Director, Atmosphere and Energy Program and Professor of Civil and Environmental Engineering at Stanford University
- Dana Best, M.D., M.P.H., F.A.A.P., American Academy of Pediatrics

April 16, 2008

Green Capital: Seeding Innovation and the Future Economy

Witness List:

- Mr. Dan Braun, Director, Global Environmental Finance
- Mr. David Prend, Co-founder and Managing General Partner, RockPort CapitalPartners
- Mr. Daniel R. Abbasi, Director, MissionPoint Capital Partners

April 24, 2008

Pumping up Prices: The Strategic Petroleum Reserve and Record Gas Prices

Witness List:

- Dr. Mark Cooper, Director of Research, Consumer Federation of America
- Mr. Dave Berry, Vice President, Swift Transportation Company, Inc., Chairman, Energy and Environment Policy Committee, American Trucking Association
- Mr. Frank Rusco, Acting Director, Natural Resources and Environment, GAO
- Ms. Melanie Kenderline, Associate Director, Strategic Planning, MIT Energy Initiative
- Mr. Kevin Book, Senior Vice President, Senior Analyst, Energy Policy, Oil & Alternative Energy, Friedman, Billings, Ramsey & Company, Inc

April 29, 2008

Rising Tides, Rising Temperatures: Global Warming Effects on Oceans

Witness List:

- Sylvia Earle, Explorer-in-Residence, National Geographic Society
- Dr. Vikki Spruill, President and CEO of The Ocean Conservancy
- Dr. Jane Lubchenco, Department of Zoology, Oregon State University
- Dr. Joan Kleypas, National Center for Atmospheric Research, Boulder, Colorado

May 8, 2008

Negawatts: The Role of Efficiency Policies in Climate Legislation

Witness List:

- The Honorable Paul DeCotis, Deputy Secretary of Energy, State of New York
- The Honorable Dian Grueneich, Commissioner, California Public Utilities Commission
- Steven Kline, Vice President for Environment and Federal Affairs, Pacific Gas and Electric Corporation
- Richard Cowart, Director, Regulatory Assistance Project
- George Sakellaris, President and CEO, Ameresco, Inc.

May 14, 2008

Building Green, Saving Green: Constructing Sustainable and Energy-Efficient Buildings

Witness List:

- Ed Norton, Actor and Trustee of Enterprise Community Partners
- The Honorable Gavin Newsom, Mayor of San Francisco
- Kent Peterson, President, American Society of Heating, Refrigerating and Air-Conditioning Engineers
- Michelle Moore, Senior Vice President of Policy and Market Development, U.S. Green Building Council
- Tony Stall, Vice President Marketing for Dryvit Systems Inc.

May 22, 2008

Oversight of the Bush Administration’s Energy Policy with DOE Sec. Bodman

Witness List:

- The Honorable Samuel Bodman, Secretary, U.S. Department of Energy

June 11, 2008

The Future of Oil: Peak Prices, Peak Production, Piqued Consumers

Witness List:

- Guy Caruso, Administrator, Energy Information Administration
- Adam Sieminski, Chief Energy Economist, Deutsche Bank
- Amy Myers Jaffe, Energy Studies Fellow at the James Baker Institute for Public Policy
- Athan Manuel, Director of Land Protection Programs, Sierra Club
- Karen Harbert, Managing Director and Executive Vice President, Institute for 21st Century Energy U.S. Chamber of Commerce

June 18, 2008

Planning Communities for a Changing Climate—Smart Growth, Public Demand and Private Opportunity

Witness List:

- Dr. Sultan Al-Jaber, CEO, Masdar Initiative, Abu Dhabi, United Arab Emirates
- Steve Hewitt, City Administrator, Greensburg, Kansas
- Gregory Cohen, President and CEO, American Highway Users Alliance
- David Goldberg, Director of Communications, Smart Growth America
- Steve Winkleman, Transportation Director, Center for Clean Air Policy

June 23, 2008

Briefing: Global Warming Twenty Years Later: Tipping Points Near

Witness List:

- Dr. James Hansen

June 25, 2008

National Security Implications of Global Climate Change

Witness List:

Panel I:

- Dr. Thomas Fingar, Deputy Director of National Intelligence for Analysis and Chairman of the National Intelligence Council
- Mr. Rolf Mowatt-Larsen, Director, Intelligence and Counterintelligence, U.S. Department of Energy

Panel II:

- The Right Honorable Margaret Beckett, Member of Parliament, Former Foreign Minister of the United Kingdom
- VADM Paul Gaffney, President, Monmouth University and Former President, National Defense University
- Dr. Kent Hughes Butts, Professor of Political-Military Strategy, Center for Strategic Leadership, U.S. Army War College
- Marlo Lewis, Senior Fellow, Competitive Enterprise Institute
- Lee Lane, Resident Fellow, American Enterprise Institute

June 26, 2008

\$4 Gasoline and Fuel Economy: Auto Industry at a Crossroads

Witness List:

- The Honorable Tyler Duvall, Assistant Secretary for Policy, Department of Transportation
- Mr. Dominique Thormann, Senior Vice President, Nissan North America, Inc.
- Mr. Shai Agassi, Founder and CEO, Project Better Place
- Mr. Torben Holm, Consultant, DONG Energy A/S
- Mr. Jeffrey R. Holmstead, Partner, Bracewell & Giuliani LLP

July 10, 2008

Global Warming Effects on Extreme Weather

Witness List:

- Jimmy O. Adegoke, Ph.D, Associate Professor, University of Missouri – Kansas City
- Heather Cooley, Senior Research Associate, Pacific Institute
- Jay S. Golden, Ph.D, Director, National Center of Excellence, SMART Innovations for Urban Climate & Energy, Global Institute of Sustainability, Arizona State University
- Angela Licata, Deputy Commissioner, New York City Bureau of Environmental Planning and Analysis
- Dan Keppen, Executive Director, Family Farm Alliance

July 23, 2008

Deploying Oil from the Strategic Petroleum Reserve

Witness List:

- Mr. C. Kyle Simpson, Policy Director, Brownstein, Hyatt, Farber, Schreck
- Dr. Joe Romm, Senior Fellow, Center for American Progress
- James May, President and CEO, Air Transport Association of America

July 28, 2008

The Economics of Global Warming: Shaping How U.S. Companies are Doing Business
Field Hearing in Hartford, Connecticut

Witness List:

- George David, Chairman, United Technologies Corporation
- Dan Esty, Hillhouse Professor of Environmental Law and Policy at Yale University, Director of the Yale Center for Environmental Law and Policy and the Center for Business & Environment
- John Rice, Vice Chairman, General Electric and CEO, General Electric Infrastructure

July 30, 2008

What's Cooking with Natural Gas?: Hearing to Examine Fuel's Role in Global Warming Solutions

Witness List:

- Aubrey McClendon, CEO, Chesapeake Energy
- Clay Harris, CEO, Suez LNG North America
- David Manning, Executive VP, National Grid
- Rich Wells, Vice President Energy, The Dow Chemical Company
- John German, Manager Environmental and Energy Analysis, American Honda
- Mark Smith, Executive Director, Independent Petroleum Association of Mountain States

July 31, 2008

Renewing America's Future: Energy Visions of Tomorrow, Today

Witness List:

- Ms. Cathy Zoi, Chief Executive Officer, Alliance for Climate Protection
- Dr. Andrew Frank, Professor, Mechanical and Aeronautical Engineering, University of California at Davis
- Gregory Yurek, Ph.D, Founder, Chairman, and CEO, American Superconductor Corporation
- Aristides A. N. Patrinos, Ph.D, President, Synthetic Genomics
- Steven Lockard, CEO, TPI Composites

September 10, 2008

Investing in the Future: R&D Needs to Meet America's Energy and Climate Challenges

Witness List:

- Dr. Susan Hockfield, President, Massachusetts Institute of Technology
- Dr. Stephen Forrest, Vice President of Research, University of Michigan
- Dr. Jack Fellows, Vice President, University Corporation on Atmospheric Research
- Dr. Daniel Kammen, Professor, UC-Berkley